



सत्यमेव जयते

# भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित  
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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

## भाग, III—खण्ड 2

### [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

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Calcutta, the 15th November 1986

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**APPLICATION FOR PATENTS FILED AT THE HEAD  
OFFICE 214, ACHARYA JAGADISH BOSE ROAD,  
CALCUTTA-700 017**

The dates shown in crescent brackets are the dates claimed under Section 135, of the Act.

The 8th October, 1986

731/Cal/86. Phillips Petroleum Company. Site selective genomic modification of yeast of the genus *Pichia*.

732/Cal/86. Tatra Koprivnice. A device for disengaging a wheel motor vehicle out from a low bearing ground.

733/Cal/86. Biogram AB. Micro-Capsules.

The 9th October 1986

734/Cal/86. Hoechst Aktiengesellschaft. Process for the preparation of water-soluble copper complex disazo compounds. [4th August, 1983].

735/Cal/86. Siemens Aktiengesellschaft. A driving system for an electric circuit breaker.

736/Cal/86. Nukem GmbH. Solar Cell.

737/Cal/86. Circuitgraph, S.L. Device for the manual wiring of electronics circuits.

738/Cal/86. Biotechnology Australia Pty. Ltd. Oral delivery system. (Convention dated 10th October, 1985) Australia.

739/Cal/86. Indian Jute Industries' Research Association. A process for biomodification of tamarind kernel powder to attain the twin objectives of steam economy in size paste preparation and improved weaving performance in jute industry.

740/Cal/86. Duphar International Research B.V. Automatic injector.

741/Cal/86. Fan Cheng-Kuo and Cheng Jyh-Hour. Fluid flow regulator for intravenous feeding device.

The 13th October 1986

742/Cal/86. Sanjoy Bose. A machine for processing green tea leaves.

The 14th October 1986

743/Cal/86. Libbey-Owens-Ford Company. Glass coating method and resulting article.

744/Cal/86. E.I. Du Pont De Nemours and Company. Emulsion-containing explosive compositions.

745/Cal/86. Sibabrata Kar. Nitrogen shrouding arrangement attached with T-stop slide gate valve system.

**APPLICATION FOR PATENT FILED AT THE PATENT  
OFFICE BRANCH, MUNICIPAL, MARKET BUILDING,  
3RD FLOOR, KAROL BAGH, NEW DELHI-110005**

The 15th September, 1986

812/Del/86. Acumeter Laboratories, Inc., "Porous roll fluid coating applicator and methods."

813/Del/86. Chemic Linz Aktiengesellschaft, "Long shelf-concentrated aqueous solutions of melamine-formaldehyde condensates, preparation and use thereof".

814/Del/86. Bayer Aktiengesellschaft, "Vulcanization system, a rubber mixture containing this system and the vulcanization thereof".

815/Del/86. Tesa Metrology Ltd., "Optical measurement apparatus". (Convention date 13th September, 1985) (U.K.).

816/Del/86. Colebrand Ltd., "Corrosion detection". (Convention dated 24th September, 1985 & 6th December, 1985) (U.K.).

817/Del/86. Tesa Metrology Ltd., "Improvements to optical measurement apparatus". (Convention date 13-9-85) (U.K.).

The 17th September 1986

818/Del/86. Sudhir Kumar Seth., "Differential Dynamic traction for correction of pelvic obliquity".

819/Del/86. Sanden corporation, "Rotation preventing mechanism for wobble plate type compressor".

820/Del/86. National Council for Cement & Building Materials, "A bulk supply system".

821/Del/86. Ram Narain Kher, "An air cooler".

822/Del/86. Refco Icematic Co. Pvt. Ltd., "An apparatus that simultaneously and instantly produces hot and cold water".

The 18th September 1986

823/Del/86. UOP INC., "Catalytic composite for conversion of hydrocarbons".

824/Del/86. Exxon Research and Engineering Company, "Improved process for recovery of alcohols from sulfuric acid streams".

825/Del/86. SS Pharmaceutical Co. Ltd., "Antifungal agent".

826/Del/86. Videocolor, "Cathode welding mechanism for electron gun".

827/Del/86. Volzhskoe Obiedinenie Po Proizvodstvu Legkovykh Avtomobilei (AVTOVAZ), "Method of making blanking die sets".

The 19th September 1986

828/Del/86. Ashok Kumar Gupta, "Fire proof briefcase & plywood".

829/Del/86. The M. W. Kellogg Co., "Sulfur dioxide removal process".

830/Del/86. Stencel Aero Engineering Corporation, "Discard assembly for parachute deployment mechanism".

831/Del/86. Pierre Donze., "Wheelbarrow".

832/Del/86. Borg Warner Industrial Products, Inc., "Adaptive control system for mechanical seal".

833/Del/86. Better Life International, Inc., "Herbal chew and snuff compositions".

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH, AT  
TODI ESTATES, THIRD FLOOR, SUN MILL COMPOUND, LOWER PAREL (WEST), BOMBAY-400013.

3-9-1986		
248/BOM/86	The Beta Company.	Apparatus for a Drum Magazine.
4-9-1986		
249/BOM/86	A.G. Deshpande	Improvements in or relating to mechanical or power assisted gear box for automobile and the like applications.
250/BOM/86	Ion Exchange (India) Ltd.	Process for the preparation of novel polyiodide resin for water treatment.
5-9-1986		
251/BOM/86	Seikosha Co. Ltd.	Device for cooling serial printer.
8-9-1986		
252/BOM/86	Anil Upmanyu	An improved internal combustion engine.
9-9-1986		
253/BOM/86	Hindustan Lever Ltd. 12th Sept. 1985 U.K.	Process for manufacture of detergent powder.
254/BOM/86	Krzyatzos Jan Wajnikonis 9th Sept. 1985. U.K.	Foil.
11-9-1986		
255/BOM/86	Meka Papa Rao.	A clamp for coupling floating systems, such as pontoons together.
12-9-1986		
256/BOM/86	Garware Wall Ropes Ltd.	A synthetic rope capable of sinking in water or any density and the method of manufacturing the same.
15-9-1986		
257/BOM/86	M.H. Desai.	Gear tooth rounding chamfering and deburring machine.
17-9-1986		
258/BOM/86	A.K. Patel	Kitchen Machine for making Sev or papdi snacks.
259/BOM/86	C.B. Navalkar	Computerised roof caving warning alarm.
260/BOM/86	E.N. Contractor	A device to accurately fill liquids in tanks either open or completely closed, from a pressurised inlet; without using a ball valve; and operated by a magnet.
261/BOM/86	Precision Mouldings Pvt. Ltd.	An improved triple pilfer-resistant closure for orifice or neck ring of container and the like.
262/BOM/86	P.W. Desai	An improved process for reclaiming rubber from waste/scrapped vehicle tyres.

APPLICATIONS FOR PATENTS FILED AT THE  
PATENT OFFICE BRANCH, 61, WALLAJAH ROAD,  
MADRAS-600 002

catalyst. (Divisional to Patent Application No.  
192/Mas/84).

The 22nd September 1986

- 743/Mas/86. S. P. Joshi. In or relation to a device to measure inner and outer diamention (Verneir).  
744/Mas/86. Pierre Nicolas. Projecting apparatus with spherical screen, more particularly for advertising purposes.  
745/Mas/86. Magneti Marelli S.p.A. Starter device for internal combustion engines for motor vehicles.

The 23rd September 1986

- 746/Mas/86. The Boots Company PLC. Therapeutic Agents. (October 3, 1985; Great Britain).  
747/Mas/86. Usinor-Aciers of Immeuble "Ile-de-France". Process for manufacturing moulded coke by electrical heating in a tank furnace and tank furnace for manufacturing said coke.  
748/Mas/86. Schubert & Salzer Maschinenfabrik Aktiengesellschaft. Cylinder for carding machines.

The 24th September 1986

- 749/Mas/86. S. N. Krishna Murthy. Earth down flow.  
750/Mas/86. Lucas Industries Public Limited Company. A low sensitivity drum brake.  
751/Mas/86. Issac Stanly. New heads for internal combustion engines.  
752/Mas/86. J. Murali. Quartz electronic time-piece.  
753/Mas/86. Ireco Incorporated. Methods of pumping and loading emulsion slurry blasting compositions. (October 30, 1985; Canada).  
754/Mas/86. Occidental Research Company. Multilayered Structure.  
755/Mas/86. Sika AG. A process for preparing a building and/or construction material, a polymer modified aqueous dispersion, and use thereof for the preparation of a building and/or construction material.

The 25th September 1986

- 756/Mas/86. Union Carbide Corporation. Process for trimerization.  
757/Mas/86. Marathon Manufacturing Company. Static inverter.

The 26th September 1986

- 758/Mas/86. G. Venkatachalapathy. Impeller or fan to pump or compress liquid or gas.  
759/Mas/86. G. Venkatachalapathy. An electric motor of 5760 KPM. for 3 phase-50HZ-AC supply.  
760/Mas/86. D. B. Krishna Rao. An applicator.  
761/Mas/61. Merlin Gerin. Voltage measuring device of a high voltage metalclad installation.  
762/Mas/86. The Dow Chemical Company. Temperature Measuring apparatus.  
763/Mas/86. The Dow Chemical Company. A process for producing alcohol comprising contacting hydrogen and carbon monoxide in the presence of a

ALTERATION OF DATE

158425. Ante dated to 30th December, 1980.  
(318/Cal/84)  
158426. Ante dated to 30th December, 1980.  
(319/Cal/84)  
158443. Ante dated to 21st December, 1979.  
(598/Del/83)  
158444. Ante dated to 21st December, 1979.  
(599/Del/83)  
158446. Ante dated to 21st December, 1979.  
(424/Del/85)

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CLASS : 101-E & 199

158407

Int. Cl. G 01 f 1/00.

A DEVICE FOR MEASURING FLOW RATES OF FLUIDS.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110 001.

Inventor : BHASKAR RAMCHANDRA PAI.

Application No. 158/Mas/82 filed August 16, 1982.

Complete specification left November 14, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 4 Claims

An improved device for measuring the flow rates of fluids comprising a tapered spindle mounted within a cylindrical tube, a float freely movable over the spindle on the passage of a fluid through the said tube and graduated scale provided adjacent to the said cylindrical tube to read the particular position of the float to indicate the flow rate of the fluid directly.

Prov. specn. 6 pages.

Compl. specn. 7 pages.

Drg. 3 sheets.

CLASS : 105-B, C & D

158408

Int. Cl. : G 01 b 7/32.

#### IMPROVEMENTS IN OR RELATING TO AN APPARATUS FOR SURFACE AREA MEASUREMENT.

Applicant & Inventor : ANDRE VIOZAT, OF AURO-ELECTRONICS, P.O. BOX 18, PONDICHERRY-605 001, UNION TERRITORY OF PONDICHERRY.

Application No. 264/Mas/82 filed December 31, 1982.

Complete Specification left March 19, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 26 Claims

An apparatus for surface area measurement comprising a light source, light sensitive cells, a microprocessor, a measuring bridge, display units for area of objects both individually and in batches, means for displaying, means for printing read-out on paper, means for marking of information on objects and devices for monitoring the operating status of the apparatus during use, characterised in that the apparatus is provided with means for (i) detecting and automatically correcting the error of measurement arising from malfunction of any of the light sensitive cells, (ii) eliminating the data for improperly fed objects from the final reading, (iii) retaining in memory the data accumulated prior to any temporary stoppage of functioning as caused by a power cut and (iv) using the same when the apparatus starts functioning again.

Compl. specn. 28 pages.

Drg. 5 sheets.

CLASS : 5-C

158409

Int. Cl. : A 01 d 11/00.

#### AN ATTACHMENT DEVICE FOR ATTACHMENT TO A SUBSTANTIALLY VERTICAL PROJECTION SUCH AS A POLE OR STEM.

Applicant & Inventor : UPPINANGADY VARADARAYA NAYAK, 15-48, HAPPY VALLEY, KULSHEKAR, MANGALORE-575 005, KARNATAKA.

Application No. 11/Mas/83 filed January 18, 1983.

Complete Specification filed April 9, 1984.

Provisional Specification No. 227/Mas/84 cognated to Application No. 11/Mas/83.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 6 Claims

An attachment device for attachment to a substantially vertical projection such as a pole or stem comprising a frame and an arm, the said frame capable of encircling the projection characterised in that the frame is provided with an opening having a closure means adapted to open and close the opening thereby enabling the frame to encircle

the projection, the said frame being also provided with grip/s for firm gripping of the projection when the arm tilts.

Prov. specn. 17 pages; - 7 pages of 11/Mas/83 & 10 pages of 227/Mas/84.

Compl. specn. 11 pages.

Drg. 5 sheets.

CLASS : 39-L

158410

Int. Cl. : C 01 g 45/00.

#### A PROCESS FOR THE MANUFACTURE OF DEPOLARISER GRADE MANGANESE DIOXIDE FROM PYROLUSITE CHIPS.

Applicant : INDIAN INSTITUTE OF TECHNOLOGY, I.I.T. P.O., MADRAS-600 036, TAMIL NADU.

Inventors : (1) YALAMANCHILI BALAGANGA DHARA VARMA, (2) NADIMPALLI SANKARA SRINIVAS, (3) SURAPANENI SUBBA RAO, (4) KAMATAM KRISHNAIAH.

Application No. 50/Mas/83 filed March 5, 1983.

Complete Specification left June 2, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 4 Claims. No drawing.

A process for the manufacture of depolariser grade manganese dioxide from pyrolusite chips comprising the steps of grinding the said chips along with a reducing agent such as herein described; reducing the ground MnO in a closed furnace (ensuring that air does not get into the furnace) at a temperature of 400°C-650°C; cooling the reduced ore out of contact with air to at least 90°C to avoid reoxidation; treating the reduced ore with H<sub>2</sub>SO<sub>4</sub> to get MnSO<sub>4</sub> solution; electrolysis of the resulting MnSO<sub>4</sub> solution in cells with mechanically surface treated titanium metal sheet as anodes and pure lead sheet as cathodes at an anode current density of 6-12 amperes per square foot and a cathode current density 7-14 amperes per square foot, while maintaining the MnSO<sub>4</sub> and acid concentrations inside the cell in the range MnSO<sub>4</sub> 130±10 gpl, H<sub>2</sub>SO<sub>4</sub> 18±5 gpl respectively and cell bath temperature in the range 90°C-95°C, the H<sub>2</sub>SO<sub>4</sub> generated during electrolysis being recycled to manufacture fresh MnSO<sub>4</sub>, stripping the MnO<sub>2</sub> deposited on the anodes to obtain MnO<sub>2</sub> flakes before crushing and collecting the same in a neutralisation tank, neutralising the residual acid from the crushed flakes with an alkali such as herein described, before washing thoroughly with water and drying the same.

Prov. specn. 9 pages.

Compl. specn. 10 pages.

CLASS : 27-L.

158411

Int. Cl. : E 04 c 5/00.

#### A SHELL FOR STEEL RODS IN REINFORCED STRUCTURES.

Applicant & Inventor : THIRUMALAI ANANDAM PILLAI VIJAYAN, C/O T.S. RAMANATHAN, POYAPAKKAM VILLAGE, VIA VILLUPURAM, TAMIL NADU, CODE NO. 605 602.

Application No. 79/Mas/83 filed April 8, 1983.

Complete Specification left April 9, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 1 Claim

A shell for steel Rods in reinforced structures comprising a rigid hollow cylinder closed at one end, the said shell having a plurality of fin like projections on its outside, the said shell having an elastic compressible filling in its hollow inside, the said shell having an inner diameter as that of the outer diameter of the said steel rods, the said shell with the said elastic filling being applied to the ends of the steel rods.

Prov. specn. 2 pages;

Compl. specn. 5 pages.

Drg. 1 sheet.

CLASS : 105-B, C

158412

Int. Cl. : G 01 b 7/00.

A DEVICE FOR MEASURING STIFFNESS AND/OR THICKNESS OF SHEET MATERIALS.

Applicant: THE SOUTH INDIA TEXTILE RESEARCH ASSOCIATION, OF COIMBATORE AERODROME P.O., COIMBATORE-641 014, TAMIL NADU.

Inventors : (1) TARAKAD VEDAMURTHY RATNAM, (2) AYIKUDY RAMASUBRAMANYA IYER KALYANARAMAN.

Application No. 100/Mas/83 filed May 5, 1983.

Complete Specification left June 16, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 5 Claims

A device for measuring the stiffness and/or thickness of sheet materials comprising an electromagnetic source, a sensor means for sensing the signal emitted from said electromagnetic source, a means for supporting said sheet material, the sheet material being horizontally advanced manually or mechanically over said supporting means so as to effect a cantilever bending hereof at the edge of the supporting means, the arrangement being such that the over-hand of the cantilever bending obstructs the signal from said electromagnetic source to said sensor means.

(Prov. specn. 4 pages.

Compl. specn. 6 pages.

Drg. 1 sheet of  
size 33.00 cms. by  
41.00 cms.)

CLASS : 50-B, D, E3, F

158413

Int. Cl. : F 24 f 3/06, 3/14.

AN AIR COOLER.

Applicants & Inventors : (1) KARUMBUR RAMAKRISHNA BASKARAN & (2) SOUTHERN MAGNETICS PRIVATE LIMITED, BOTH OF II-3, VIKRAM SARABHAI INSTRONICS ESTATE, THIRUVANMIYUR, MADRAS-600 041, TAMIL NADU.

Application No. 123/Mas/83 filed June 1, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 4 Claims

An air cooler comprising inlet air passages communicating with atmosphere and with the space to be cooled; a first suction fan located at one end of the passages for drawing atmospheric air through the passages to emerge at the other end thereof into the space; vertical outlet air ducts communicating with the space and with atmosphere said ducts being disposed in the passages; a second suction fan or blower for exhausting stale air from within the space, through the ducts, to atmosphere characterised by means for spraying water

downwardly into the ducts, from their outlet end, for mixing with the upward draught of stale air within the ducts, to cool the said ducts by evaporation of the sprayed water, such that the inlet air in the passages coming into contact with the ducts is also cooled before entering the space, the unevaporated water in the ducts collecting at the base thereof in a receiver for being drained away and re-sprayed into the ducts.

Compl. specn. 7 pages.

Drg. 1 sheet.

CLASS : 128 G

158414

Int. Cl. : A 61 b 17/12.

A CARDIOTOMY RESERVOIR FOR FILTRATION AND RE-CIRCULATION OF BLOOD.

Applicants : SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCES & TECHNOLOGY, TRIVANDRUM-695 011, KERALA, INDIA, AN INDIAN INSTITUTE.

Inventor : VENKETESWARA SUBRAMANYA VENKATESAN.

Application No. 171/Mas/83 filed August 8, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 20 Claims

A cardiomy reservoir with integral filter which comprises a shell or a column for accommodating a fine filter or micro-filter component therein, said shell being provided, in-flow communication thereof, with a coarse filter section, said column being further provided with air vents and outlets for filtered blood, said coarse filter section being provided with inlet ports.

Compl. specn. 9 pages.

Drg. 2 sheets.

CLASS : 63-A 3 & F

158415

Int. Cl. : H 02 k 13/14.

A DIRECT CURRENT MOTOR WITHOUT COMMUTATOR AND BRUSHES.

Applicant & Inventor : BRIG. RAMASWAMI RANGANATHAN (RETD.), OF 3, ABHIRAMAPURAM, I STREET, MADRAS-600 018, TAMIL NADU.

Application No. 173/Mas/83 filed August 16, 1983.

Complete Specification left November 22, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 3 Claims

A direct current motor without commutator and brushes comprising a coil wound armature for the stator and field magnets for the rotor; a stationary coil forming part of the tuned circuit of an electronic oscillator, the said coil carrying alternating current supplied by the said oscillator; a first rotating coil mounted on the shaft of the motor, the stationary coil thus inducing an alternating voltage by inductive coupling, in the said first rotating coil; a second rotating coil to which the alternating voltage of the first rotating coil is applied to produce an alternating electromagnetic field, the second rotating coil being mounted off-centre on the shaft of the motor to couple inductively with each of a plurality of spaced coils concentrically mounted on the motor shaft and around the second rotating coil, whereby an alternating voltage is induced into each of the said spaced coils depending upon the position of the second rotating coil and each such spaced coil, the said voltage being rectified and smoothed by known means to obtain a d.c. voltage for operating a known electronic switching circuit such as a power transistor or thyristor

circuit, to switch in a d.c. current into the armature coils of the motor, such that the armature coils receive the switched in d.c. current at predetermined intervals to develop the necessary torque and drive the motor.

Prov. 3 pages.

Compl. specn. 9 pages.

Drg. 2 sheets.

CLASS : 32-A1

158416

Int. Cl. : C 09 b 39/00.

PROCESS FOR THE PREPARATION OF A COLOURING MATTER FROM COCONUT SHELL DERIVATIVES.

Applicant : KONTIKI CHEMICALS & PHARMACEUTICALS (P) LTD., OF A.K. OFFICE BUILDINGS, BALIAPATAM, CANNANORE-670 010, KERALA.

Inventor : DR. CHATHANATH CHAITHANYA MENON.

Application No. 204/Mas/83 filed September 28, 1983.

Complete Specification left October 12, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

4 Claims. No drawing.

A process for the preparation of a colouring matter comprising the steps of:—

- (a) diazotising sulphanilic acid by converting sulphanilic acid into its sodium salt using soda ash, sodium hydroxide or potassium hydroxide, mixing the sodium sulphanilate so formed with sodium nitrite and keeping the solution in ice-bath and thereafter adding thereto dilute hydrochloric acid cooled to a temperature from 0–5°C until excess nitrous acid is formed,
- (b) reacting the diazotised sulphanilic acid in a basic medium with coconut shell derivative prepared according to the process claimed in Indian patent specification No. 147728, and acidifying the medium to a pH 5, and
- (c) recovering the product in a conventional manner and thereafter drying the same at a temperature from 50 to 60°C under pressure of 2.5 inches of mercury.

Prov. 6 pages.

Compl. specn. 8 pages.

CLASS : 6-B<sub>4</sub>

158417

Int. Cl. : F 17 c 1/00.

FLUID CONTAINERS.

Applicant & Inventors : JOHN WALTER RILETT OF HILLTOP HOUSE, OLD QUARRY, BIBURY, GLOUCESTERSHIRE, UNITED KINGDOM.

Application No. 384/Cal/82 filed April 5, 1982.

Convention dated 6th April, 1981 (81 10733) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

51 Claims

A container of substantially cylindrical shape for storing fluids under pressure (said fluids being those whose solid phase cannot exist above a certain threshold pressure) consisting of a tubular component made of a deformable material in which at least one open end thereof is closed by engagement with a substantially cylindrical closure member which is inserted into the said open end wherein

the deformable material is capable of at least 7 per cent elongation before fracture and the said closure member possesses (a) an outside diameter which is substantially equal to the internal diameter of the said tubular component (b) a filling and emptying device and (c) a pressure relief valve assembly including means for effectively preventing the said fluid from solidifying therein.

Compl. specn. 78 pages.

Drg. 3 sheets.

CLASS : 98-E

158418

Int. Cl. : F 24 d 7/00.

METHOD OF PRODUCING A HEATED FILAMENT BY MEANS OF HEATING A GODET AND A HEATABLE GODET.

Applicant : MASCHINENFABRIK RIETER AG, OF WINTERTHUR, SWITZERLAND.

Inventors : 1. KURT MUFLIER, 2. ARMIN WIRZ.

Application No. 565/Cal/82 filed May 20, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

20 Claims

A heatable godet comprising :

- a rotatable drum defining a hollow chamber therein;
- a heating means within said chamber of said drum, said heating means including a plurality of air guide ducts for passage of air therethrough, said ducts being disposed within said chamber to define a flow path of U-shaped cross-section as viewed in a circumferential direction with said drum; and
- a plurality of fan blades on said drum for circulating air through said flow path during rotation of said drum.

Compl. specn. 11 pages.

Drg. 2 sheets.

CLASS : 108-B<sub>1</sub> & b

158419

Int. Cl. : C 21 b 13/14.

PROCESS OF PRODUCING SPONGE IRON BY A DIRECT REDUCTION OF IRON OXIDE-CONTAINING MATERIALS.

Applicant : METALLGESELLSCHAFT A.G., OF 16 FRANKFURT A.M., REUTERWEG, WEST GERMANY.

Inventors : 1. KURT MEYER, 2. LOTHAR REH, 3. MARTIN HIRSCH, 4. WOLFRAM SCHNABEL, 5. HARRY SERBENT.

Application No. 707/Cal/82 filed June 18, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A process of producing sponge iron by a direct reduction of iron-oxide-containing materials comprising pre-reducing said material in a fluidized bed and carrying out final reduction below the melting point of the charge in a rotary kiln, characterized by pre-reducing fine-grained materials which contain iron oxide in a fluidized bed to effect a metallization of 50 to 80% of their iron content, and subjecting said pre-reduced fine-grained material to complete reduction in a rotary kiln.

Compl. specn. 10 pages.

Drg. Nil.

CLASS : 206-H<sub>1</sub>

158420

Int. Cl. : H 03 k 23/00.

**AN INTERMEDIATE CIRCUIT STATIC FREQUENCY CHANGER.**

Applicant : SIEMENS AKTIENGESellschaft, OF ADDRESS D-8000 MUNCHEN 2, WITTELSBACHER-PLATZ 2, WEST GERMANY.

Inventors : 1. HANS-PETER SCHNEIDER, 2. HANS-HERMAN ZANDER.

Application No. 1169/Cal/82 filed October 11, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**6 Claims**

An intermediate circuit static frequency changer for providing power flow in two opposite directions, a supply direction and a feedback direction, comprising two anti-parallel-connected controllable static converter means to which is connected via the intermediate circuit an inverter comprising controllable switches in three-phase current bridge connection, there being control means operable when the frequency changer is in use : to query the polarity of the intermediate circuit current at 30° electrical after each change in the switching combination of the switches of the inverter; to compare the intermediate circuit impresses voltage with a desired value thereof; to render that static converter means which is arranged in the feedback direction conductive as long as said polarity is negative and said intermediate circuit voltage is greater than said desired value by a predetermined amount; and to render conductive the other static converter means arranged in the supply direction if either of these conditions is not fulfilled.

Compl. specn. 20 pages

Drg. 4 sheets.

CLASS : 133-A

158421

Int. Cl. : H 02 b 13/00.

**LOAD CONTROL FOR ENERGY CONVERTERS.**

Applicant : THE BABCOCK & WILCOX COMPANY, AT 1010 COMMON STREET, NEW ORLEANS, LOUISIANA 70160, UNITED STATES OF AMERICA.

Inventors : 1. DONALD JOSEPH, 2. AZMI KAYA, 3. MARION ALVAH KEYES, 4. THEODORE NICHOLAS MATSKO, 5. WILLIAM HARRIS MOSS, 6. THOMAS JOSEPH SCHEIB.

Application No. 1454/Cal/82 filed December 16, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**5 Claims**

A load control for a system comprised of a plurality of energy converters, comprising, a first means generating a System Control Signal corresponding to the system load, a second means adjusting in parallel the energy output of each of said converters in accordance with changes in the System Control Signal, means producing an individual incremental cost signal for each of said plurality of converters, means responsive to all of said incremental cost signals generating a System Incremental Cost Signal, means generating a third signal for each of said generators corresponding to the difference between the System Incremental Cost Signal and the individual incremental cost signal for each generator and means under the control of the third signal biasing the energy output of each converter as required to maintain a predetermined relationship between the System Incremental Cost Signal and the individual incremental cost signal.

Compl. specn. 8 pages.

Drg. 1 sheet.

CLASS : 27-I

158422

Int. Cl. : E 04 g 21/12.

**METHOD OF PRODUCING PRESTRESSED STRUCTURES.**

Applicant & Inventors : DR. ANIL KRISHNA KAR, OF 251/A/20, N. S. C. BOSE ROAD, CALCUTTA-700047, WEST BENGAL, INDIA.

Application No. 53/Cal/83 filed January 13, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**3 Claims**

A method of producing prestressed structures comprising anchoring tendons, wires, cables, ropes and the like to one end of the structure tensioned at their other end, and secured in clamping means and releasing said tendons, wires, cables etc. so as to obtain prestressed structures.

Compl. specn. 9 pages.

Drg. 2 sheets.

CLASS : 37-B

158423

Int. Cl. : B 04 b 15/00.

**SELF-CLEANING DRUM FOR CENTRIFUGAL SEPARATORS.**

Applicant : VEB KOMBINAT FORTSCHRITT, LAND-MASCHINEN 8355 NEUSTADT IN SACHSEN, BERGHAUS STRASSE 1, GERMAN DEMOCRATIC REPUBLIC.

Inventors : 1. HORST STELLER, 2. LEONHARD HEIDECK.

Application No. 180/Cal/83 filed February 15, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**5 Claims**

Self-cleaning drum for centrifugal separators with a hydraulically operated, axially movable sleeve valve 2, a valve for the control of the sleeve valve and an intermediate chamber connected via channels to the closing chamber and the valve, characterized by that the intermediate chamber (3), the volume of which is determined by the amount of fluid required for balancing the generated forces from the separating chamber (8) and the closing chamber (5), is arranged at the outer circumference of the hydraulically operated sleeve valve (2) and sealed towards the closing chamber (5) and that the channel or channels (4) connecting the intermediate chamber (3) and the closing chamber (5) are arranged for feeding the fluid at a smaller radius of the intermediate chamber (3) in relation to the separator axis, than it is discharged from this intermediate chamber via channel (6).

Compl. specn. 13 pages.

Drg. 1 sheet.

CLASS : 39-D

158424

Int. Cl. : C 01 f 11/18.

**METHOD OF PREPARING A NEW INORGANIC ABSORBENT MATERIAL FROM EGG SHELLS.**

Applicant : MRS. MANJU ROY, 16. NABIN KUNDU LANE, CALCUTTA-700 009, WEST BENGAL, INDIA.

Inventors : 1. AJIT KUMAR ROY.

Application No. 654/Cal/83 filed May 25, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.



## 3 Claims

A method of preparing a new inorganic absorbent material from egg shell powder which comprises :

- (a) boiling the egg shells with N/10 NaOH solution for a period of about 10 minutes,
- (b) washing the egg shells with water to make them alkali free,
- (c) removing the thin film or thin inner coating from the washed shells manually by hand,
- (d) drying the shells of step followed by powdering the dried shells to a fine powder,
- (e) treating the dried egg shell powder with a mixture of petroleum ether (b.p. 60° to 63°C.) and solvent ether to remove the fat and finally drying the

CLASS : 128-G

158425

Int. Cl. : A 61 b 19/00.

## AN IMPLEMENT FOR MAKING AN IMPRESSION OF A CERVIX UTERI.

Applicants & Inventors : (1) ROBERT AUGUST GOEPP, OF 5928 NORTH KILBOURN, CHICAGO, ILLINOIS 60646, UNITED STATES OF AMERICA; (2) UWE ERNST FREESE, 238 NORTH FOREST OAK PARK, ILLINOIS 60302, UNITED STATES OF AMERICA; (3) MARVIN PHILLIP LOEB, 7350 NORTH WASHTEAW AVENUE, CHICAGO, ILLINOIS 60645, UNITED STATES OF AMERICA.

Application No. 318/Cal/84 filed May 10, 1984.

Division of Application No. 1443/Cal/80 dated 30-12-1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 1 Claim

An implement for making an impression of a cervix uteri which comprises, in combination, an impression tray and a syringe having an elongated nozzle received within said tray comprising a hollow cup for receiving the cervix and having a flexible wall terminating in a peripheral outwardly flared anterior lip and a bottom aperture; a posterior sleeve integral with said cup and surrounding said bottom aperture; and a hollow elongated stem having a proximal end thereof received within said posterior sleeve and defining a passageway communicating with the interior of said cup and said syringe comprising a hollow body portion, a movable plunger within said body portion, and an elongated nozzle communicating with said body portion and adapted to be received within said passageway of the hollow elongated stem.

Compl. specn. 32 pages.

Drg. 4 sheets.

CLASS : 128-G

158426

Int. Cl. : A 61 b 19/00.

## NON-INVASIVE BIRTH CONTROL DEVICE AND A METHOD OF FABRICATING THE SAME.

Applicants : ROBERT AUGUST GOEPP, OF 5928 NORTH KILBOURN, CHICAGO, ILLINOIS 60646, U.S.A. UWE ERNST FREESE 238 NORTH FOREST, OAK PARK, ILLINOIS, 60302, U.S.A.

Inventors : MARVIN PHILLIP LOEB, 7350 NORTH WASHTEAW AVENUE, CHICAGO, ILLINOIS 60645, U.S.A.

Application No. 319/Cal/84 filed May 10, 1984.

Division of Application No. 1443/Cal/80 dated 30th December, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 5 Claims

A non-invasive birth control device which comprises :

a cup-shaped elastomeric shell having a convex outer surface and a concave inner surface that is substantially complementary with contiguous surface of portio vaginalis cervicis in its actual configuration when in contact therewith, said shell defining an aperture at the apex thereof and having a depth sufficient to receive a major portion of said portio, but the periphery of said shell terminating short of fornices vaginae;

and elastomeric web over said aperture and secured to said outer surface about said aperture defining a passageway communicating with said aperture and providing a discharge port along said convex outer surface and offset from said aperture;

said web conforming to and coating with a contiguous portion of said convex outer surface to provide a one-way valve means for uterine discharge entering said a aperture from within said shell.

Compl. specn. 35 pages.

Drg. 4 sheets.

CLASS : 140 A<sub>2</sub>

158427

Int. Cl. : C 10 m 1/00.

## A METHOD FOR MAKING AN ORGANOPHILIC CLAY GELLANT.

Applicant : NL INDUSTRIES, INC., A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF NEW JERSEY, UNITED STATES OF AMERICA, RESIDING AT 1230 AVENUE OF THE AMERICAS, NEW YORK, NEW YORK-10020, UNITED STATES OF AMERICA.

Inventors : CLAUDE MALCOLM FINLAYSON, WILBUR SHERREL MARDIS AND FORREST ANTHONY SCHARCE.

Application for Patent No. 498/Del/1982 filed on 2nd July, 1982.

Convention date on 16th November, 1981/8134461/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

## 13 Claims

A method for making an organophilic clay gellant comprising agitating from 1 to 80 wt % of a smectite-type clay in the sodium form and having an ion exchange capacity of from 75 to 100 milliequivalents per 100 grams of clay with from 99 to 20 wt % of water at a temperature of from 20°C to 100°C to form a slurry; mixing from 5 to 100 milliequivalents per 100 grams of clay of an organic anion of the kind herein described with said slurry; mixing with said slurry an organic cation of the kind herein described in an amount sufficient to satisfy the cation exchange capacity of the clay and the cation exchange capacity of the organic anion at a temperature of 20°C to 100°C for a time sufficient for the organic cation to react with the clay and to form an organic cation-organic anion complex which intercalates with the clay platelets.

Compl. specn. 30 pages.

Drg. 1 sheet.

CLASS : 140 A<sub>2</sub>

158428

Int. Cl. : C 10 m 1/00.

**AN IMPROVED METHOD FOR INSULATING A WELLBORE.**

Applicant : NL INDUSTRIES, INC., A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF NEW JERSEY, UNITED STATES OF AMERICA, RESIDING AT 1230 AVENUE OF THE AMERICAS, NEW YORK, NEW YORK 10020, UNITED STATES OF AMERICA.

Inventors : CLAUDE MALCOLM FINLAYSON, WILBUR SIERRER MARDIS AND FORREST ANTHONY SCARCE.

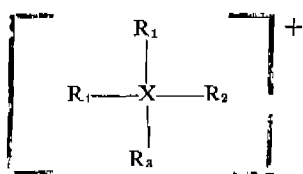
Application for Patent No. 499/Del/1982 filed on 2nd July, 1982.

Convention date on 16th November, 1981/8134463/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

**11 Claims**

An improved method for insulating a wellbore comprising pumping an oil-base packer fluid in an annular space within said wellbore and thereafter gelling said packer fluid, characterised in that said packer fluid has an oil phase of the kind as herein described and containing from 6 to 50 lbs. per barrel of an organophilic clay gellant comprising the reaction product of an organic cationic compound of the kind such as herein described and a smectite-type clay of the kind as herein described having a cation exchange capacity of at least 75 milliequivalents per 100 grams of said clay, wherein said organic cation has the formula I



Formula I

wherein R<sub>1</sub> is selected from the group consisting of β, γ-unsaturated alkyl group having less than 7 aliphatic carbon atoms, a hydroxyalkyl group having 2 to 6 carbon atoms and mixtures thereof; R<sub>2</sub> is a long chain alkyl group having 8 to 60 carbon atoms; R<sub>3</sub> and R<sub>4</sub> are individually selected from the group consisting of α, β, γ-unsaturated alkyl group having less than 7 aliphatic carbon atoms, a hydroxyalkyl group having 2 to 6 carbon atoms, an aralkyl group, having from 1 to 22 carbon atoms and mixtures thereof; X is selected from a group consisting of phosphorous and nitrogen; and wherein the amount of said organic cationic compound is from 90 to 140 milliequivalents per 100 grams of said clay, 100% active clay basis.

Compl. specn. 23 pages.

Drg. 2 sheets.

CLASS : 32F<sub>8</sub>(a)

158429

Int. Cl. : C 07 d 1/14.

**PROCESS FOR RECOVERING ETHYLENE OXIDE FROM AQUEOUS SOLUTIONS.**

Applicant : THE HALCON SD GROUP, INC., A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, HAVING ITS OFFICE AND PRINCIPAL PLACE OF BUSINESS AT 2 PARK AVENUE, NEW YORK, NEW YORK-10016, UNITED STATES OF AMERICA.

Inventor : VIJAY SHARATCHANDRA BHISE AND ROBERT HOCH.

Application for Patent No. 516/Del/1982 filed on 7th July, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

**8 Claims**

A process for recovering ethylene oxide from aqueous solution comprising :

- contacting said aqueous solution of ethylene oxide with a solvent comprising carbon dioxide in the near-critical such as herein defined or super-critical such as herein defined state to selectively absorb ethylene oxide relative to water and;
- separating in a manner such as herein described the ethylene oxide-containing carbon dioxide of (a) from the ethylene oxide-depleted aqueous solution and thereafter;
- recovering in any known manner the ethylene oxide from the separated ethylene oxide-containing carbon dioxide of (b).

Compl. specn. 12 pages.

Drg. 1 sheet.

CLASS : 1 F

158430

Int. Cl. : C 131 1/00.

**METHOD FOR THE RECOVERY OF STARCH FROM STARCH-BEARING ROOTS.**

Applicant : AUSTRALIAN CASSAVA PRODUCTS PTY. LIMITED, A COMPANY INCORPORATED UNDER THE LAWS OF THE STATE OF NEW SOUTH WALES, COMMONWEALTH OF AUSTRALIA, OF CNR. WALKER AND BAROLIN STREETS, BUNDABERG, QUEENSLAND, 4670 AUSTRALIA.

Inventors : EARNEST GEORGE WOODWARD.

Application for Patent No. 555/Del/1982 filed on 20th July 1982.

Convention date on 24th July 1981/PE 9899 (Australia).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

**3 Claims**

A method of recovering starch from starch-bearing roots comprising the steps of :

- pulverising the whole unskinned roots to provide a pulp composed of solid fibrous material and the natural starch-containing juices of said roots;
- subjecting said pulp to pressing to express the juice content thereof and separate the fibrous material;
- removing said separated fibrous material;
- subjecting the expressed starch-containing juice to conventional starch extraction in order to separate starch therefrom; and
- returning at least a part of the resulting starch free juice to said roots during pulverisation thereof; said steps (a) to (c) being performed in the absence of liquid other than said naturally present root juices.

Compl. specn. 12 pages.

Drg. 4 sheets.

CLASS : 187C, 3 &amp; 4

158431

2 Claims

Int. Cl. : H 04 m 9/00, 3/00 &amp; 3/42.

## ELECTRONIC SUBSCRIBER JUNCTOR.

Applicant : COMPAGNIE INDUSTRIELLE DES TELECOMMUNICATIONS CIT-ALCATEL, OF 12, RUE DE LA BAUME, 75008 PARIS, FRANCE, A FRENCH COMPANY.

Inventor : PIERRE ALBOUY, YVES SALAHUN, FRANCOIS BOTAUIN AND ROBERTO CORDANI.

Application for Patent No. 576/Del/1982 filed on 28th July, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

## 10 Claims

An electronic subscriber junctor for connecting a subscriber line to a telephone exchange, comprising an output amplifier circuit (1) powered from a battery and having its output connected to two subscriber line wires (A, B), first means (2, 5) connected to the subscriber line wires for generating a compensation voltage (Umc) proportional to a common mode voltage occurring on the subscriber line and for providing on a first output a direct current (I) proportional to a DC component of the subscriber line current and on a second output an alternating voltage proportional to an AC component of the subscriber line current, second means (6, R') connected to the said first output for obtaining a constant current (I1) for algebraically summing said constant current (I1) and said direct current (I) and connected to the output amplifier circuit (1) and to third means (4) for supplying to said output amplifier circuit and to said third means (4) a first control current equal to said algebraic sum of the constant current and the direct current, third means (4) connected to said first means for providing from said compensation voltage (Umc), via a first (F10) and a second (F11) connecting wires and on each connecting wire, a second control current to the said output amplifier circuit (1) so as to compensate for longitudinal currents on the subscriber line, said third means (4) providing the first control current on said first connecting wire (F10), the said second means (6, R') being connected to the output amplifier circuit (1) via the second connecting wire (F11) for supplying the first control current to the output amplifier circuit (1) said output amplifier circuit delivering on each subscriber line wire (A, B) a current proportional to the algebraic sum, on each first (F10) and second (F11) connecting wires, of the first and second control currents, and an interface circuit (7) connected to said second output of said first means, to said second means, and to the telephone exchange, said interface circuit constituting a two wires junctor access and having two terminals (a, b) provide for conversion to four wire working.

Compl. specn. 31 pages.

Drg. 7 sheets.

CLASS : 89

158432

Int. Cl. : G 011 19/00, 19/02.

## IMPROVED DEVICE FOR A GAUGE INSTRUMENT FOR TRANSMITTING DISPLACEMENT MOTION FROM A CONDITION RESPONSIVE ELEMENT.

Applicant : DRESSER INDUSTRIES, INC., A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE, ONE OF THE UNITED STATES OF AMERICA, OF THE DRESSER BUILDING, P.O. BOX 718, DALLAS, TEXAS 75221, U.S.A., MANUFACTURES.

Inventor : RICHARD HARRY WETTERHORN.

Application for Patent No. 579/Del/1982 filed on 29th July 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

Improved device for a gauge instrument for transmitting displacement motion from a condition responsive element to a rotatable output shaft, said improved device comprising a segment arm defining a segment gear thereon and having a first connection for receiving an input displacement from the condition responsive element and a second connection displaced from said first connection for receiving axis means to define a pivot axis therefor and a pinion gear mounted on the output shaft and meshing with the segment gear to arcuately drive the output shaft concomitantly with pivotal motion incurred by the segment arm, characterised in spring means comprising an elongated tail extending from said segment arm and away therefrom to effect a spring bias urging said second connection in a wrap-round juxtaposed grip relation against the segment arm for substantially securing said second connection in position thereat.

Compl. specn. 9 pages.

Drg. 2 sheets.

CLASS : 47 B&amp;C, 76 H and 85 E

158433

Int. Cl. : C 01 b 9/00, C 10 b 25/00.

## A COKE-OVEN DOOR.

Applicant : KURT DIX, A GERMAN CITIZEN OF KNUST 25, 4630 BOCHUM, FEDERAL REPUBLIC OF GERMANY.

Inventor : KURT DIX.

Application for Patent No. 588/Del/1982 filed on 31st July, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

## 11 Claims

A coke-oven door having a circumferential sealing strip which is of "Z" shaped cross-section held with one leg of the cross-section on the body of the door by means of a clamping plate, the free leg of the cross-section being resiliently urged into engagement with a sealing face on the body of the oven; including cam means rotatably mounted on the oven door body and arranged to adjust the position of the clamping plate towards or away from the sealing face of the oven, the clamping plate being held against the oven door body by means of a shoulder on the cam means, said cam means including a cam clamping disc; and spring means comprising a thrust bolt loaded by a spring and an enclosing housing, said spring means acting on said cam means and the free leg of the sealing strip so that rotation of the cam means brings about simultaneous adjustment of the clamping plate and the loading of the spring means, in which the cam means is self locking against the clamping plate.

Compl. specn. 22 pages.

Drg. 6 sheets.

CLASS : 116 B [XLIX]

158434

Int. Cl. : B 61 d 47/00.

## VESSEL FOR TRANSPORTING HOT COKE.

Applicant : KRUPP-KOPPERS GMBH, A COMPANY ORGANISED UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY, OF MOLTKESTRASSE 29, D-4300 ESSEN 1, FEDERAL REPUBLIC OF GERMANY.

Inventors : DR. FRIEDRICH JOKISCH & BERNHARD HEMRICHS.

Application for Patent No. 614/Del/1982 filed on 11th August, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

## 4 Claims

Vessel for transporting hot coke, which has a round shape narrowing in the lower part, characterised in that the vessel possesses in its upper region a turning ring which is mounted and guided on the vessel by means of bearings and which rotates during filling and is provided with engaging means pointing towards the interior of the vessel.

Compl. specn. 5 pages.

Drg. 3 sheets.

CLASS : 40 F

158435

Int. Cl. : B 01 d 1500.

#### FLUID-SOLIDS CONTACTING APPARATUS.

Applicant : UOP INC., A CORPORATION ORGANISED IN THE STATE OF DELAWARE, WITH ITS PRINCIPAL PLACE OF BUSINESS AT TEN UOP PLAZA, ALGONQUIN & MT. PROSPECT ROADS, DES PLAINES, ILLINOIS 60016, UNITED STATES OF AMERICA.

Inventor : MICHAEL FLMER.

Application for Patent No. 660/Del/1982 filed on 31st August, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

## 6 Claims

A fluid-solids contacting apparatus which comprises :

- (a) an enclosed outer vessel having a vertical major axis and a cylindrical outer wall;
- (b) a vertical imperforate centerpipe located within the outer vessel and aligned with the major axis of the outer vessel;
- (c) a plurality of vertically spaced-apart horizontal layers of fluid distributor pans, each layer being in the form of a flat ring extending between centerpipe and the outer wall of the vessel;
- (d) a plurality of annular fluid distribution rings mounted on the centerpipe at points intermediate vertically adjacent layers of fluid distributor pans;
- (e) a fluid distribution pipe extending from each fluid distributor pan to one of the annular fluid distribution ring, and
- (f) a fluid transfer conduit extending from each annular fluid distribution ring to a point outside of the outer vessel;

Compl. specn. 29 pages.

Drg. 2 sheets.

CLASS : 69 D

158436

Int. Cl. : F 42 c-11/00, 19/12.

#### ELECTRICALLY ACTUABLE IGNITION ASSEMBLY FOR A DETONATOR.

Applicant : IMPERIAL CHEMICAL INDUSTRIES PLC, OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON SW1P 3JF, ENI AND A BRITISH COMPANY.

Inventor : JAMES ROBERTSON.

Application for Patent No. 689/Del/1982 filed on 8th September, 1982.

Convention date 28-9-81/81, 29283 (U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

## 18 Claims

An electrically actuable ignition assembly for a detonator comprising an encased resistive electric ignition element having a length of electrical leading wire connected to each of its two terminals and extending outside the case, the portions of wire outside the case being fully insulated, a transformer ring core having an insulated length of electrical conductor wire wound thereon as a secondary winding, and two electrically conducting metal contact elements each electrically connecting an end-portion of the secondary winding to a corresponding end-portion of one of said lengths of electrical leading wire to complete an electrical circuit across said terminals, said contact elements having portions penetrating the insulating layer on the respective wires and contacting the wire, the ring core, the secondary winding, the two contact elements and the said end-portion of the lengths of electrical leading wire being enclosed in a case provided with locating means to hold the core, contact elements and said wire end-portions in fixed positions within the case so that the joints between the wire end-portions and the contact elements are protected by the prevention of tensioning of the wire end-portions.

Compl. specn. 14 pages.

Drg. 3 sheets.

CLASS : 32F, 155A & 40F

158437

Int. Cl. : C 07 b 7/00, C 23 f 7/00 & C 08 f 47/22.

#### BATCH PROCESS FOR THE HALOGENATION OF SOLID POLYMERIC OR METALLIC MATERIAL.

Applicant : UNION CARBIDE CORPORATION, MANUFACTURERS, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW YORK, LOCATED AT OLD RIDGEBURY ROAD, DANBURY, STATE OF CONNECTICUT, 06817, UNITED STATES OF AMERICA.

Inventor : GREGORIA TARANCON.

Application for Patent No. 715/Del/1982 filed on 22nd September, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

## 4 Claims

A batch process for the halogenation of solid polymeric or metallic material such as herein described comprising the following steps :

- (a) providing a closed system comprising a chamber containing air at about atmospheric pressure and having inlet and outlet means, a heat exchanger, and a circulation pump, all connected in series ;
- (b) introducing the material into the chamber;
- (c) heating the chamber and the material to a selected temperature in the range of from 100°F to 200°F by recirculating the air through the heat exchanger;
- (d) evacuating the system;
- (e) introducing a halogen into the system in an amount (i) of up to about 10 per cent in excess of the theoretical amount of halogen required to halogenate the material to a desired depth and (ii) sufficient to provide a partial pressure in the system in the range of from 0.1 psia to 3 psia ;
- (f) introducing an inert gas into the system in an amount sufficient to provide a total pressure in the system of about one atmosphere;
- (g) maintaining said selected temperature by recirculating the halogen/inert gas mixture through the heat exchanger;

(h) recirculating the halogen/inert gas mixture a sufficient number of times to reduce the amount of halogen to less than about 5 per cent of the amount of halogen initially introduced into the system;

(i) evacuating the system;

(j) introducing air into the system to provide about atmospheric pressure; and

(k) removing the material.

(Compl. Specn. 14 pages).

CLASS : 64(B<sub>1</sub>+B<sub>3</sub>)

158438

Int. Class : H02g 15/00, H01h 11/00 & 13/00.

"FLAMEPROOF ELECTRIC COUPLERS".

Applicant : BICC PUBLIC LIMITED COMPANY, A BRITISH COMPANY OF 21 BLOOMSBURY STREET, LONDON WC1 3QN, ENGLAND.

Inventor : GEOFFREY LEES.

Application for Patent No. 721/DEL/1982 filed on 23rd September, 1982.

Convention date on 5th October, 1981/8130022/(Great Britain).

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

#### 4 Claims

A flameproof electric coupler including at least one metal contact fixed in a bore in a support member having a shoulder facing towards each of its ends, one of those shoulders being engaged by a separate annular member secured on the contact to resist axial movement with respect to it, said annular member having a first flameproof leakage path between itself and the contact and a second flameproof leakage path between itself and the support member.

Compl. Specn. 5 pages. Drawing 1 sheet.

CLASS : 90A.

158439

Int. Class : C03b 5/00.

"METHOD AND APPARATUS FOR PRODUCING FLOAT GLASS".

Applicant : PPG INDUSTRIES, INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF PENNSYLVANIA, UNITED STATES OF AMERICA, OF ONE GATEWAY CENTER, PITTSBURGH 22, STATE OF PENNSYLVANIA, UNITED STATES OF AMERICA.

Inventor : JOSEPH A. GULOTTA, GERALD ERASMUS KUNKLE AND JOHN EUGENE SENSI.

Application for Patent No. 722/DEL/1982 filed on 23rd September, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

(Drawing)

A method for producing float glass of less than equilibrium thickness wherein a stream of molten glass is metered onto a molten metal pool and pressure greater than atmospheric is imposed on the glass in a pressure chamber so as to reduce the glass thickness less than the equilibrium thickness as it floats on the molten metal, as the glass is withdrawn from the pressure chamber, restraining it against lateral shrinkage until the glass has cooled to a dimensionally stable condition, and causing the molten glass to contact side walls of the pressure chamber throughout the time that pressure greater than atmospheric is imposed in the glass.

Compl. Specn. 18 pages. Drg. 1 sheet.

CLASS : 119 B.

158440

Int. Class : D 03d 49/00.

"A YARN FEED DEVICE FOR A RAPIER WEAVING LOOM."

Applicant : BONASMACHINE COMPANY LIMITED, OF PALLION INDUSTRIAL ESTATE SUNDERLAND SR4 6SX, ENGLAND, A BRITISH COMPANY.

Inventor : JOHN DALTON GRIFFITH.

Application for Patent No. 763/DEL/82 filed on 19th October, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

#### 6 claims

A yarn feed device for a rapier weaving loom, the device including a drive spool about which yarn to be fed is wrapped, the spool having an annular channel for receiving said wrapped yarn, the channel being of curved cross-section so that on wrapping of said yarn about the spool non overlapping windings of yarn are formed, the spool being arranged to be rotatably driven for drawing said yarn from a yarn source and feeding the yarn to the rapier.

Compl. Specn. 5 pages. Drgs. 2 sheets.

CLASS : 27I, B.

158441

Int. Class : E 04 b 1/00.

"METHOD OF CONSTRUCTING A BUILDING AND A BUILDING SO CONSTRUCTED".

Applicant : SHRI KRISHNA, AN INDIAN NATIONAL OF KRISHNA NAGAR, FAIZABAD ROAD, LUCKNOW-22006, INDIA.

Inventor : SHRI KRISHNA.

Application for Patent No. 215/DEL/83 filed on 2nd April, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

#### 16 Claims

A method of constructing a building which comprises the steps of; forming hollow self-supporting light weight columns of steel, metal alloys or materials of like strength with a predetermined number of elongated structural elements, such as angles, pipes, plates, bars, flats or the like, for each of said columns in a manner such that said structural elements are spaced apart and laced together throughout the length thereof by angles, pipes, plates, bars, flats or the like;

fixing each of said columns to each under reamed pile foundation;

joining beams by any known means across two adjacent columns, said beams being of same construction as the said columns;

placing rafters through diametrically opposite beams located on said two different columns and maintaining said rafters at a predetermined height by means of adjustable hooks and fixing plate shutterings on said rafters;

placing on said shutterings bar modules conforming to the shape and size of the roof or a roof slab;

pouring concrete mix on said modules to form a roof;

covering the hollow column with ferro-crete or other materials, such as herein described;

covering wall spaces between said adjacent columns and between said beams to floor by ferro-crete wall; and,

removing said rafters and shutterings, and panelling said columns and walls with ferro-crete to form a building.

Compl. Specn. 14 pages. Drg. 1 sheet.

CLASS : 92I [I(3)]

158442

Int. Class : A 01f, 7/00.

## AN IMPROVED THRESHER MACHINE".

Applicant(s) : JOGINDER SINGH KANG, KANG ENTERPRISES, SIMLAPURI LUDHIANA, PUNJAB, INDIA, INDIAN BY NATIONALITY.

Inventor(s) : IDEM.

Application for Patent No. 369/Del/1983 filed on 1st June, 1983.

Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972) : Patent Office Branch, New Delhi-110005.

## 3 Claims

A thresher comprising a hopper for the introduction of the stalks to be threshed, at least a pair of shafts parallelly disposed to each other and below the discharge mouth of said hopper, one of said shafts being a first shaft, a series of spaced circular discs, mounted on said first shaft, the other shaft being a second shaft with a series of discs or arms and discs on the two shafts being in staggered relationship with respect to each other so that the discs on one shaft respectively engage the space between the pair of said discs on the other shaft whereby when the stalks are fed through the hopper between the two shafts, the said stalks are cut and threshed and drop over a rotating roller below the said two shafts and from the said rotating roller are dropped on a mesh.

Provisional Specification 4 pages.

Complete Specn. 10 pages. Drgs. 2 sheets.

CLASS : 105 D &amp; 29 D.

158443

Int. Class : G07c 1/10.

## "TIME CLOCK RECORDING AND COMPUTATION APPARATUS FOR USE WITH A TIME AND OTHER DATA CARD".

Applicant : KRONOS, INC., A MASSACHUSETTS CORPORATION, HAVING ITS PRINCIPAL PLACE OF BUSINESS AT 355 WESTERN AVENUE, BOSTON, MASSACHUSETTS 02135, U.S.A.

Inventors : LARRY K. BAXTER, ROBERT DAVID COHEN, MARK STURTAIN & SHELDON PHILLIP APSELL.

Application for Patent No. 598/Del/83 filed on 2nd September, 1983.

Divisional to Patent Application No. 934/Del/79 filed on 21st December, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

## 25 claims

Time clock recording and computation apparatus for use with a time and other data card provided with information identifying the user and with space for recording additional data, said apparatus comprising means in a housing for electronically storing identification, time and other data of users, said housing having a slot for receiving said card with means disposed in said slot for electronically reading the identifying information on a users card at times of check-in and check-out; said electronic storage being connected to means for withdrawing therefrom, in response to such reading, data associated with the user to identify the same; said withdrawing means and said reading means being connected to means for electronically totalling time periods between times of check-in and check-out to maintain stored data as to summary time periods for the user; and means for recording such summary time period data upon the said space of the card at check-out.

Compl. Specn. 51 pages. Drgs. 13 sheets.

CLASS : 105 D &amp; 29 D.

158444

Int. Class : G07c 1/10.

## "TIME CARD MEANS ADAPTED FOR EMPLOYMENT IN A TIME CLOCK APPARATUS".

Applicant : KRONOS, INC., A MASSACHUSETTS CORPORATION, HAVING ITS PRINCIPAL PLACE OF BUSINESS AT 355 WESTERN AVENUE, BOSTON, MASSACHUSETTS 02135, U.S.A.

Inventors : LARRY K. BAXTER, ROBERT DAVID COHEN, MARK STURTAIN & SHELDON PHILLIP APSELL.

Application for Patent No. 599/Del/83 filed on 2nd September, 1983.

Divisional to patent application No. 934/Del/79 dated 21st December, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

## 5 claims

Time card means adapted for employment in a time clock apparatus which is provided with means for receiving said time card means and permitting its entry and passage along a predetermined path, optical mark-sense reader means and means for sensing the presence of said time card means and the position of said time card means being disposed along said path, said time-card means comprising a plurality of successive marginally disposed markers for enabling card position sensing, a mark data field for receiving identification marks for mark sense reading, a print-out field having blank regions corresponding to the marginally disposed markers for receiving print-out of time and related data alongside the appropriate card position marker, and a card presence sensing region for enabling indication of the presence of the time card means within the receiving means.

Compl. specification 48 pages. Drgs. 13 sheets.

CLASS : 128 E B.

158445

Int. Class : A61f—5/04 &amp; A61b—5/04.

## "ELECTRO-MAGNETIC STIMULATOR DEVICE FOR FRACTURE HEALING".

Applicant : DR. SATYA NAND (INDIAN) R/6 G. S. V. M. MEDICAL COLLEGE, KANPUR, DR. V. K. JAIN (INDIAN) H.B.I.T. KANPUR (U.P.).

Inventors : SATYA NAND AND VIRENDRA KUMAR JAIN.

Application for Patent No. 785/Del/1983 filed on 26th November, 1983.

Appropriate office for opposition proceeding (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-5.

## 2 Claims

Electromagnetic stimulator device for stimulating fracture healing of surgically resistant non-unions of different bones, comprising of power pack a step down transformer for stepping down the voltage of 230 AC to 30 AC volts, the said step-down voltage being rectified and supplied to pulse generator, generating a signal of wide rectangular pulsing current, output of said pulse generator being connected to an amplifier, which is being connected to two Electromagnetic coils for generating uniform electromagnetic field at all points around the fracture side for its stimulation.

Compl. Specn. 6 pages. Drgs. 3 sheets.

CLASS : 105 D &amp; 29D.

158446

Int. Class : G07c 1/00.

## "TIME CLOCK APPARATUS."

Applicant : KRONOS, INC., A MASSACHUSETTS CORPORATION HAVING ITS PRINCIPAL PLACE OF BUSINESS AT 355 WESTERN AVENUE, BOSTON, MASSACHUSETTS 02135, U.S.A.

Inventors : LARRY K. BAXTER, ROBERT DAVID COHEN, MARK STUARTAIN & SHELDON PHILLIP APSELL.

Application for Patent No. 424/Del/85 filed on 25th May, 1985.

Divided out of patent application No. 599/Del/83 filed on 2nd September 1983 which is divisional to patent application No. 934/Del/79 dated 21st December, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

#### 8 claims

Time clock apparatus comprising means for receiving time card means and permitting its entry and passage along a predetermined path, optical mark-sensing reader means and means for sensing the presence of said time card and the position of said time card being disposed along said path, said apparatus being further provided with means for pre-determining an appropriate card position marker for next print out location and means for stopping said time card means to enable print out when the card position sensing detector means has counted a predetermined number of said marginally disposed markers during the insertion of said time card means in the said receiving means, defining said appropriate card position marker.

Compl. Specn. 48 pages, Drgs. 13 sheets.

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#### REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class. 1. No. 156800. Vijay Bulram Ramnani, C/o. Balco Engineering, "Ratna Place", No. 726, C.M.H. Road, Indiranagar, Behind Chinmaya Hospital, Bangalore 560038, Karnataka, India, Indian National, "Wet Grinders". 19th March, 1986.

Class. 1. No. 156760. Arun Khanna, Indian National of 63/2, Koregaon Park, Dist. Poona-411001, State of Maharashtra, India, "Computer Table". 10th March, 1986.

Class. 1. No. 156778. Satish Kumar Kapur, Proprietor of Hindustan Udyog, E-34, Focal Point, Ludhiana-141010 (India), Indian, "Cycle Lock". 13th March, 1986.

Class. 1. No. 156880. Iqbal Industries, Budhana Road, Khatauli-151201 (U.P.), India, an Indian Partnership Firm, "Pulleys for Tractors". 25th March, 1986.

Class. 1. No. 156744. Leif Grundtvorm Larsen, of Sibbevej 10, Esbenderup, DK-3230 Graested, Denmark, a Citizen of Denmark, "Thread Measuring Tool". 6th March, 1986.

Class. 1. Nos. 156815, 156817, 156819, 156821, 156823, 156825, 156827, 156829, 156831. N.R. Jasani, Registered Partnership Firm whose address is Agarwal Industrial Estate, 139-G, Swami Vivekanand Road, Jogeshwari (West) Bombay-400 102, in the State of Maharashtra, within the Union of India, "Section For Constructional Work". 21st March, 1986.

Class. 1. Nos. 156833, 156835, 156837, 156839. N. R. Jasani, Registered Partnership Firm, whose address is Agarwal Industrial Estate, 139-G, Swami Vivekanand Road, Jogeshwari (West), Bombay-400 102, in the State of Maharashtra, within the Union of India, "Section For Constructional Work". 21st March, 1986.

Class. 1. Nos. 156841, 156843, 156845. N.R. Jasani, Registered Partnership Firm whose address is Agarwal Industrial Estate, 139-G, Swami Vivekanand Road, Jogeshwari (West), Bombay-400102, in the State of Maharashtra, within the Union of India, "Joining Member". 21st March, 1986.

Class. 1. No. 156847. N. R. Jasani, Registered Partnership Firm whose address is Agarwal Industrial Estate, 139-G, Swami Vivekanand Road, Jogeshwari (West), Bombay-400102, in the State of Maharashtra, within the Union of India, "Hinge". 21st March, 1986.

Class. 1. No. 156849. N. R. Jasani Registered Partnership Firm, whose address is Agarwal Industrial Estate, 139-G, Swami Vivekanand Road, Jogeshwari (West), Bombay-400 102, in the State of Maharashtra, within the Union of India, "Hook". 21st March, 1986.

Class. 1. No. 156851. N. R. Jasani, Registered Partnership Firm, whose address is Agarwal Industrial Estate 139-G, Swami Vivekanand Road, Jogeshwari (West), Bombay-400102, in the State of Maharashtra, within the Union of India, "Key". 21st March, 1986.

Class. 1. Nos. 156296, 156297, 156304. Primus Kabsons Private Ltd., of Plot No. 39, Co-op. Indl Estate, Gandhinagar, Balanagar Hyderabad-500 037, India, an Indian Company, "Cylinder With Lantern". 15th November, 1985.

Class. 1. No. 156298. Primus Kabsons Private Ltd., of Plot No. 39, Co-op. Indl. Estate, Gandhinagar, Balanagar, Hyderabad-500 037, India, an Indian Company, "Single Cookers". 15th November, 1985.

- Class 1. No. 156299. Primus Kabsons Private Ltd., of Plot No. 39, Co-op. Indl. Estate, Gandhinagar, Balanagar, Hyderabad-500 037, India, an Indian Company. "Radiant Heaters". 15th November, 1985.
- Class 1. No. 156300. Primus Kabsons Private Ltd., of Plot No. 39, Co-op. Indl. Estate, Gandhinagar, Balanagar, Hyderabad-500 037, India, an Indian Company. "Radiant Heaters". 15th November, 1985.
- Class 1. Nos. 156301, 156302, 156303. Primus Kabsons Private Ltd., of Plot No. 39, Co-op. Indl. Estate, Gandhinagar, Balanagar, Hyderabad-500 037, India, an Indian Company. "Handle With Regulating Valve". 15th November, 1985.
- Class 3. Nos. 156842, 156844, 156846. N.R. Jasani, Registered Partnership Firm, whose address is Agarwal Industrial Estate 139-G, Swami Vivekanand Road, Jogeshwari (West), Bombay-400102, in the State of Maharashtra, within the Union of India. "Joining Member". 21st March, 1986.
- Class 3. No. 156848. N. R. Jasani, Registered Partnership Firm, whose address is Agarwal Industrial Estate, 139-G, Swami Vivekanand Road, Jogeshwari (West), Bombay-400102, in the State of Maharashtra, within the Union of India. "Hinge". 21st March, 1986.
- Class 3. No. 156850. N. R. Jasani, Registered Partnership Firm whose address is Agarwal Industrial Estate, 139-G, Swami Vivekanand Road, Jogeshwari (West), Bombay-400 102, in the State of Maharashtra, within the Union of India. "Hook". 21st March, 1986.
- Class 3. No. 156852. N. R. Jasani, Registered Partnership Firm, whose address is Agarwal Industrial Estate, 139-G, Swami Vivekanand Road, Jogeshwari (West), Bombay-400 102, in the State of Maharashtra, within the Union of India. "Key". 21st March, 1986.
- Class 3. No. 156816. N. R. Jasani, Registered Partnership Firm, whose address is Agarwal Industrial Estate, 139-G, Swami Vivekanand Road, Jogeshwari (West), Bombay-400 102, in the State of Maharashtra, within the Union of India. "Section For Constructional Work". 21st March, 1986.
- Class 3. No. 157098. H. V. Industrial Electronics Private Limited, a Company incorporated under the Indian Companies Act, 1956, of 108, Hill View Industrial Estate, Lal Bahadur Shastri Marg, Ghatkopar, Bombay-400 086, State of Maharashtra, India. "Regulator Dimmer". 28th May, 1986.
- Class 3. No. 156740. Dunlop India Limited, Dunlop House, 57-B, Mirza Ghalib Street, Calcutta-700 016, West Bengal, India, an Indian Company. "Tyre". 4th March, 1986.
- Class 3. No. 156748. Bata India Limited, 30, Shakespeare Sarani, Calcutta-700017, West Bengal, India, an Indian Public Limited Company. "Sole for the footwear". 6th March, 1986.
- Class 3. No. 156801. Vijay Palram Rannani, C/o Balco Engineering, "Ratna Place", No. 726, C.M.H. Road, Indiranagar, Behind Chinmay Hospital, Bangalore-560 038, Karnatak, India, Indian National. "Wet Grippers". 19th March, 1986.
- Class 3. No. 156857. Shree Krishnakeshay Laboratories Ltd., an Indian Company, of Amraiwadi Road, Ahmedabad-380008, Gujarat, India. "Hanger". 21st March, 1986.
- Class 3. No. 156789. Bankapur Herman David and Bankapur Vibha Reginald, both being Indian Citizens and both residing at 56 Sahney Sujan Park, Pune-411040, Maharashtra, India. "Gum Container with spreader". 19th March, 1986.
- Class 3. No. 156790. Ranjit Surrendra Deshmukh, an Indian Citizen, Plot No. 39, Suyojna Co-op Housing Society, Koregaon Park, Pune-411028 Maharashtra, India. "Plastic Bag". 19th March, 1986.
- Class 3. No. 157107. Eagle Flask Private Limited, an Indian Company, at Eagle Estate, Talegaon 410507, Dist: Pune, State of Maharashtra, India. "Water, Bottle". 3rd June, 1986.
- Class 3. No. 156675. Lion Pencils Private Limited (a company incorporated under the Provisions of Indian Companies Act) of Andrew Nagar, S. V. Road, Dahisar, Bombay-400068, State of Maharashtra, India. "Pencil". 19th February, 1986.
- Class 3. Nos. 156676, 156677. Lion Pencils Private Limited, (a company incorporated under the Provisions of Indian Companies Act), of Andrew Nagar, S. V. Road, Dahisar, Bombay-400068, State of Maharashtra, India. "Pencil". 19th February, 1986.
- Class 3. Nos. 156832, 156834, 156836, 156838, 156840. N. R. Jasani, Registered Partnership Firm whose address is Agarwal Industrial Estate, 139-G, Swami Vivekanand Road, Jogeshwari (West), Bombay-400 102, in the State of Maharashtra, within the Union of India. "Section For Constructional Work". 21st March, 1986.
- Class 3. Nos. 156818, 156820, 156822, 156824, 156826, 156828, 156830. N. R. Jasani, Registered Partnership Firm, whose address is Agarwal Industrial Estate, 139-G, Swami Vivekanand Road, Jogeshwari (West), Bombay-400 102, in the State of Maharashtra, within the Union of India. "Section For Constructional Work". 21st March, 1986.
- Class 10. No. 156749. Bata India Limited 30, Shakespeare Sarani, Calcutta-700017, West Bengal, India, an Indian Public Limited Company. "Footwear". 6th March, 1986.

R. A. ACHARYA,  
Controller General of Patents,  
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